

DIRECTORATE OF  
INTELLIGENCE

## Industrial Facilities (Non-Military)

# Basic Imagery Interpretation Report

## Selected Electric Power Plants

Honan Province, China

**Top Secret**

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Declass Review by NIMA / DoD

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CENTRAL INTELLIGENCE AGENCY  
Directorate of Intelligence  
Imagery Analysis Service

ABSTRACT

This report updates the previous basic reporting on four of the major electric power plants in Honan Province, east-central China. It also includes the initial basic reports on two additional plants, at Hsin-hsiang and

The cutoff date for information is

Hsin-hsiang Thermal Power Plant Shan-piao-chen was first observed under construction in It was complete and operating in

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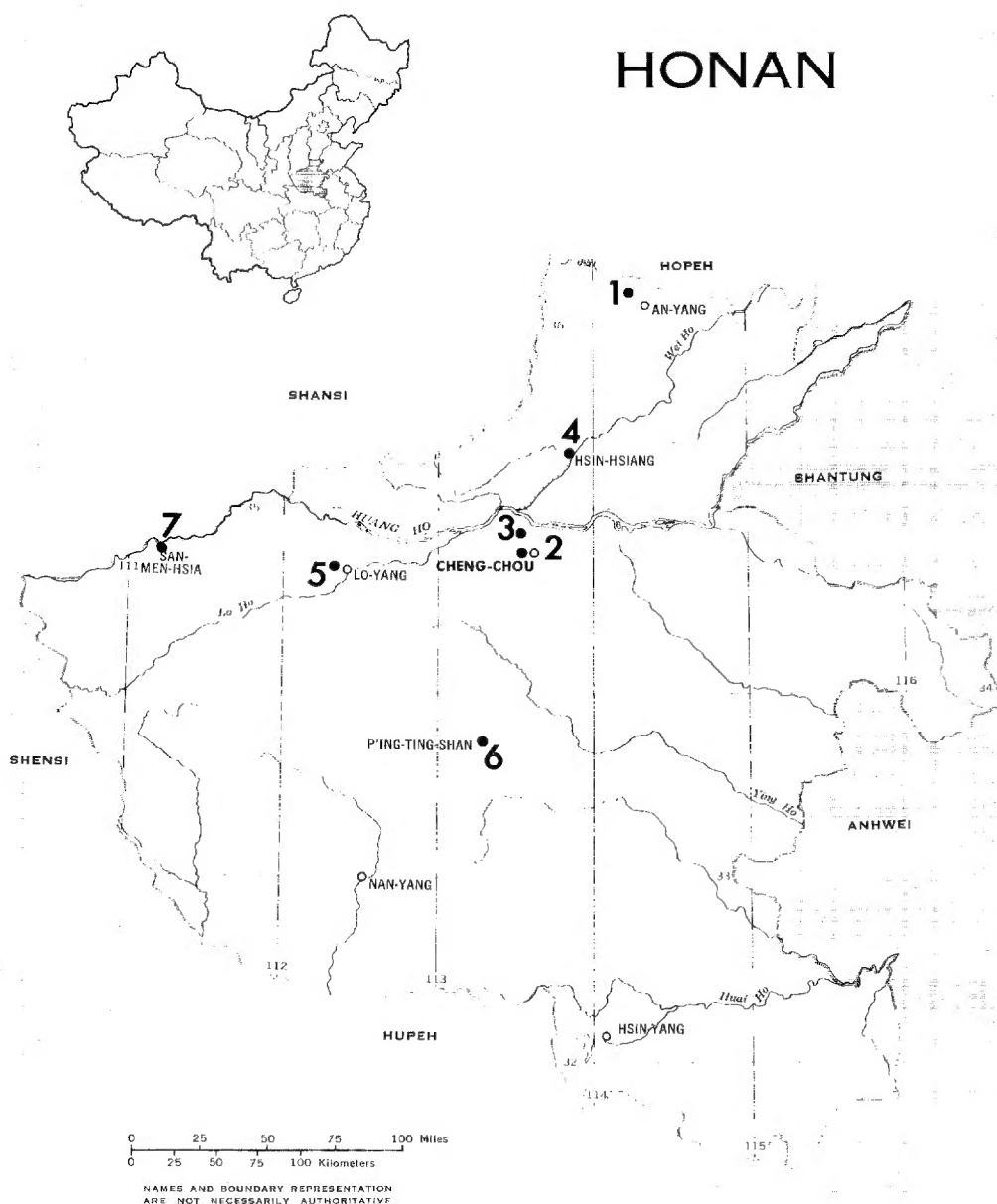


FIGURE 1. LOCATION MAP.

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## INTRODUCTION

A total of seven major electric power plants in Honan Province have now been described in Basic Imagery Interpretation Reports. This report fulfills the FY-72 requirement for updates and initial reports on all of the following facilities except Cheng-chou Thermal Power Plant (see Figure 1). Details of the Cheng-chou plant can be found in previous Basic Reports.

1. An-yang Thermal Power Plant.
2. Cheng-chou Heat and Thermal Power Plant.
3. Cheng-chou Thermal Power Plant.
4. Hsin-hsiang Thermal Power Plant Shan-piao-chen.

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Requirement

COMIREX NO5

Support Number 422716

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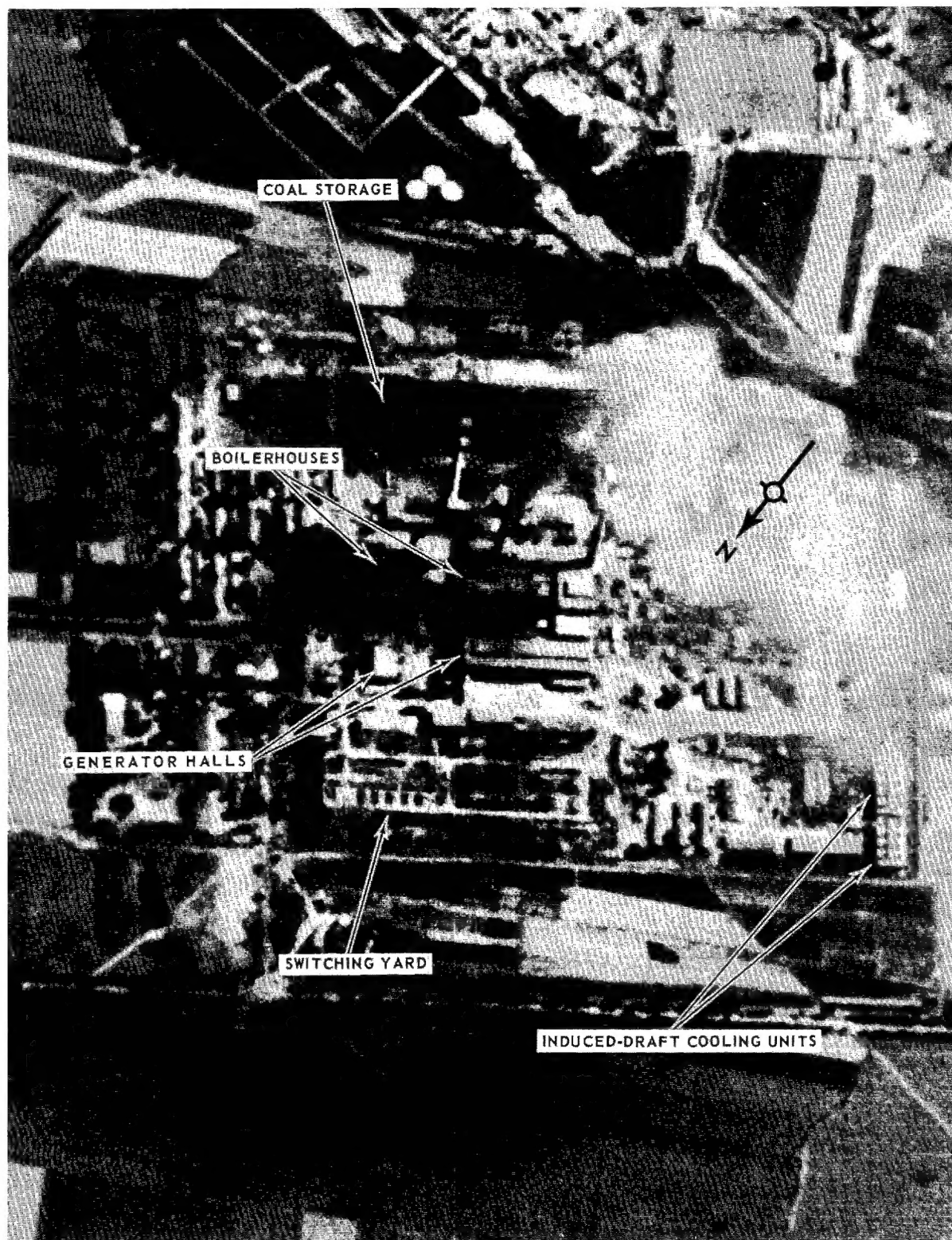


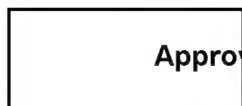
FIGURE 2. AN-YANG THERMAL POWER PLANT.

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|                               |  |                             |
|-------------------------------|--|-----------------------------|
| INSTALLATION OR ACTIVITY NAME |  | COUNTRY                     |
| An-yang Thermal Power Plant   |  | CH                          |
| UTM COORDINATES               | GEOGRAPHIC COORDINATES   |                             |
| 50SKR540005                   | 36-07-30N 114-16-20E   |                             |
| MAP REFERENCE                 |  |                             |
|                               | USATC, Series 200, Sheet M0382-24HL, 3rd ed, Aug 67, Scale 1:200,000 |                             |
| (SECRET)                      |  |                             |
| LATEST IMAGERY USED           |  | NEGATION DATE (if required) |
|                               |  | NA                          |

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#### BASIC DESCRIPTION

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No changes have been observed at An-yang Thermal Power Plant since the date of the latest photography used in the previous report. The position of the southern stack in relation to the boilerhouses indicates the plant may be expanded in the future.

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The plant was operating in as indicated by heavy smoke coming from the center stack of the three stacks serving the plant (see Figure 2).

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FIGURE 3. CHENG-CHOU HEAT AND THERMAL POWER PLANT

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|   |  |                             |
|---|--|-----------------------------|
| INSTALLATION OR ACTIVITY NAME           |  | COUNTRY                     |
| Cheng-chou Heat and Thermal Power Plant |  | CH                          |
| 25X1A UTM COORDINATES                   | GEOGRAPHIC COORDINATES   |                             |
| 49SGJ364496                             | 34-46-08N 113-35-49E   |                             |
| MAP REFERENCE                           |  |                             |
| 25X1C                                   | USATC, Series 200, Sheet 0385-9HL, 3rd ed, Aug 67, Scale 1:200,000 |                             |
| 25X1C                                   | (SECRET)   |                             |
| LATEST IMAGERY USED                     |  | NEGATION DATE (If required) |
| 25X1D                                   |  | NA                          |

BASIC DESCRIPTION

25X1D No changes have been observed at Cheng-chou Heat and Thermal Power Plant since [redacted] the date of the latest photography used in the previous report.

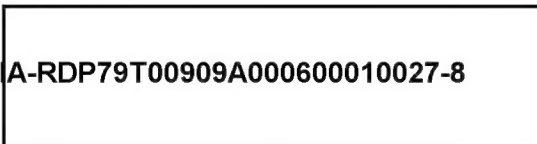
25X1D The plant was operating in [redacted] Smoke was coming from both stacks, vapors from the two natural-draft cooling towers, and the spray pond was operating (see Figure 3).

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FIGURE 4. HSIN-HSIANG THERMAL POWER PLANT SHAN-PIAO-CHEN,

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| Key to Annotations |                                      |                   |
|--------------------|--------------------------------------|-------------------|
| Item               | Description                          | Dimensions (feet) |
| 1                  | switching yard                       | 220 x 145         |
| 2                  | control house                        | 175 x 30          |
| 3                  | generator hall                       | 330 x 85          |
| 4                  | boilerhouse                          | 250 x 145         |
| 5                  | water treatment facility             | 250 x 45          |
| 6                  | natural-draft cooling towers (4)     | --                |
| 7                  | coal storage and handling facilities | --                |

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|  |                        |                             |
|--|------------------------|-----------------------------|
| INSTALLATION OR ACTIVITY NAME  |                        | COUNTRY                     |
| Hsin-hsiang Thermal Power Plant Shan-piao-chen                                 |                        | CH                          |
| UTM COORDINATES  | GEOGRAPHIC COORDINATES |                             |
| 49SGK657205  | 35-24-30N 113-55-30E   |                             |
| MAP REFERENCE  |                        |                             |
| USATC, Series 200, Sheet 0385-4HL, 2nd ed, Sep 67, Scale 1:200,000<br>(SECRET) |                        |                             |
| LATEST IMAGERY USED  |                        | NEGATION DATE (if required) |
|  |                        |                             |

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#### BASIC DESCRIPTION

Hsin-hsiang Thermal Power Plant Shan-piao-chen is located 6.5 nm northeast of Hsin-hsiang. It is served by road and rail.

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On photography of [REDACTED] the plant consisted of a boilerhouse with three boiler units, a generator hall, four natural-draft cooling towers, a control house, at least two transformers, and a switching yard (see Figure 4).

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Construction of the plant began after [REDACTED] one section of boilerhouse and one section of generator hall appeared complete, and a second section was being added to each. In addition, a coal processing facility, the control house, and one cooling tower had been constructed. Work had started on the switching yard, the water treatment facility, and the base for a second cooling tower.

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In [REDACTED] the second boilerhouse section was completed, a third boilerhouse section was under construction, and the entire generator hall was in the final stage of construction. The second cooling tower was complete and a third was under construction. The switching yard and water treatment facility were externally complete. By [REDACTED] the third cooling tower was complete and the base for a fourth cooling tower was evident. The third boilerhouse section was externally complete in [REDACTED]

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The plant was first observed operating in [REDACTED] when smoke was coming from the stack and vapor from one of two completed cooling towers. Smoke was observed coming from the stack on all subsequent coverages except that of [REDACTED]. One cooling tower was operating in [REDACTED]. Two towers were operating in [REDACTED] and three [REDACTED]

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